

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property
Organization
International Bureau



(43) International Publication Date
20 January 2005 (20.01.2005)

PCT

(10) International Publication Number
WO 2005/005944 A1

(51) International Patent Classification⁷: **G01K 13/08**,
G01N 25/72, 21/88

[AU/AU]; 64 Saw Road, Kardinya, Western Australia 6163 (AU).

(21) International Application Number:
PCT/AU2004/000940

(74) Agent: WRAY & ASSOCIATES; Level 4, The Quadrant,
1 William Street, Perth, Western Australia 6000 (AU).

(22) International Filing Date: 12 July 2004 (12.07.2004)

(81) Designated States (*unless otherwise indicated, for every kind of national protection available*): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
2003903593 11 July 2003 (11.07.2003) AU

(71) Applicant (*for all designated States except US*): **PREMIUM CASING SERVICES PTY LTD** [AU/AU]; 92
Barberry Way, Bibra Lake, Western Australia 6163 (AU).

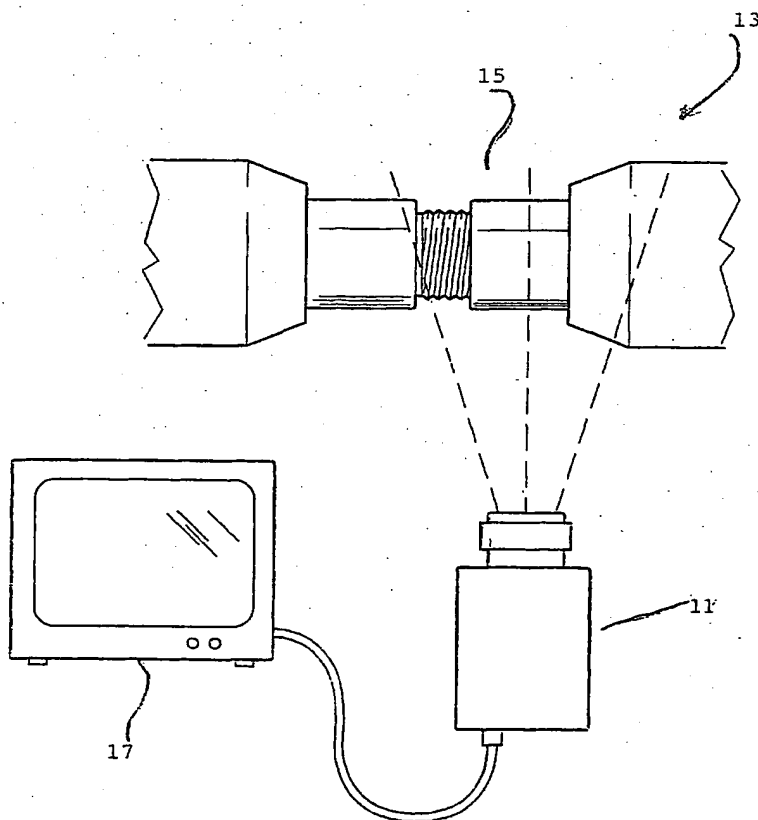
(84) Designated States (*unless otherwise indicated, for every kind of regional protection available*): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM),

(72) Inventor; and

(75) Inventor/Applicant (*for US only*): **ENDERWEIT, Fritz**

[Continued on next page]

(54) Title: MEANS AND METHOD FOR MONITORING THE ASSEMBLY OF THREADED COMPONENTS



(57) Abstract: A means and method for monitoring the assembly of threaded components comprising a station (13) at which two threaded components are to be threadably interengaged, a heat sensor (11) located at the station and positioned to sense the temperatures of the threaded coupling (15) whilst being threadably engaged or disengaged, an output associated with the sensor which is adapted to display (17) an indication of the temperatures of the coupling (15) during assembly or disassembly of the components.

WO 2005/005944 A1



European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

Published:

- with international search report
- with amended claims